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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Stephen PALM

Appl. No. : 10/809,865

Filed : March 26, 2004



Group Art Unit : 2631

Examiner : Not Yet Assigned

Confirmation No. : 7589

For : ACTIVATION OF MULTIPLE XDSL MODEMS WITH POWER
CONTROL MEASUREMENT

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir :

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, Applicant hereby call to the Examiner's attention the following documents which were cited during the prosecution of parent U.S. Patent Application No. 09/564,704:

A European Search Report mailed in related European Patent Application No. 03007777.0-2415 on October 11, 2003 was called to the Examiner's attention, in which the following documents were cited:

(1) ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union in August, 1996;

(2) International Publication Number WO 98/10545, entitled "Improvements In, or relating to, Multi-Carrier Transmission Systems", published on March 12, 1998;

(3) An article by F. MESCAM, entitled "Introduction A La Procedure De Transmission HDLC", published at pages 69-73 of L'Onde Electrique, vol. 53, no. 2 (February, 1973); and

(4) An article by H. OHBA et al., entitled "End-to-End Protocol Based On CCITT X.25 and Its Implementation", published at pages 281-287 of Evolutions In Computer Communications, Kyoto September 26-29, 1978, International Conference On Computer Communication, Tokyo, Japan, vol. CONF. 4, September 1978.

A European Search Report mailed in related European Patent Application No. 03007773.9-2415 on October 11, 2003 was called to the Examiner's attention, in which the following documents were cited:

(5) ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union on August, 1996;

(6) U.S. Patent 5,493,609 to DAVIS et al., which issued on February 20, 1996; and

(7) An article by K. KRECHMER at pages 63, 64 and 66 of Data Communications, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994), entitled "V.34 Modems: Off to a Fast Start?".

A European Search Report mailed in related European Patent Application No. 03007771.3-2415 on October 29, 2003 was called to the Examiner's attention, in which the following documents were cited:

(8) European Patent Application No. EP 0 974 202 and International Publication No. WO 99/35756, published on July 15, 1999;

(9) European Patent Application No. EP 0 820 168, published on January 21, 1998. Applicant notes that U.S. Patent 6,002,722 to WU, which issued on December 14, 1999 is a family member patent;

(10) U.S. Patent 5,479,447 to CHOW et al., which issued on December 26, 1995; and

(11) U.S. Patent 4,679,227 to HUGHES-HARTOGS, which issued on July 7, 1987.

A European Search Report mailed in related European Patent Application No. 03007772.1-2415 on October 11, 2003 was called to the Examiner's attention, in which the following documents were cited:

(12) ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union on August, 1996;

(13) U.S. Patent 5,493,609 to DAVIS et al., which issued on February 20, 1996; and

(14) An article by K. KRECHMER at pages 63, 64 and 66 of Data Communications, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994), entitled "V.34 Modems: Off to a Fast Start?".

A European Search Report mailed in related European Patent Application No. 99914300.1 on July 14, 2003 and October 28, 2003 was called to the Examiner's attention, in which the following documents were cited:

(15) European Patent Application No. EP 0 974 202, published on January 26, 2000 and International Publication No. WO 99/35756, published on July 15, 1999;

(16) European Patent Application No. EP 0 820 168, published on January 21, 1998.

(17) U.S. Patent 5,644,573 to JACOBSEN et al., which issued on July 1, 1997.

An English language translation of a Chinese Decision of Rejection mailed on October 10, 2003 in related Chinese Application No. 00800814.0 was called to the Examiner's attention, in which the following documents were cited:

(18) U.S. Patent 5,463,382 to NIKAS et al., which issued on October 31, 1995;
and

(19) U.S. Patent 5,377,188 to SEKI, which issued on December 27, 1994.

A Canadian Office Action mailed on October 9, 2003 in related Canadian Patent Application 2,322,581 was called to the Examiner's attention, in which the following documents were cited:

(20) Canadian Patent No. 2,027,230 to YANG et al., which issued on April 12, 1991;

(21) Canadian Patent No. 2,111,543 to SCOTT, which issued on June 18, 1994;
and

(22) U.S. Patent 5,349,635 to SCOTT, which issued on September 20, 1994.

An English language translation of a Chinese Office Action mailed on November 13, 2003 in related Chinese Patent Application No. 99803805.9 was called to the Examiner's attention, in which the following document was cited:

(23) U.S. Patent 4,897,831 to NEGI et al., which issued on January 30, 1990.

A Notice of Preliminary Rejection in related Korean Patent Application No. 10-2003-7008008, mailed on July 23, 2003 was called to the Examiner's attention, in which the following document was cited:

(24) U.S. Patent 5,311,578 to BREMER et al., which issued on May 10, 1994;

Applicant also brings the following documents which were cited in the parent application to the Examiner's attention:

(25) U.S. Patent No. 6,205,208 to DETLEFSEN et al., which issued on March 20, 2001;

(26) U.S. Patent No. 6,141,354 to NAKATSUGAWA, which issued on October 31, 2000;

(27) U.S. Patent No. 5,933,454 to CIOFFI, which issued on August 3, 1999;

(28) U.S. Patent No. 5,633,890 to AHMED, which issued on May 27, 1997;

(29) U.S. Patent No. 5,491,720 to DAVIS et al., which issued on February 13, 1996;

(30) U.S. Patent No. 5,371,534 to DAGDEVIREN et al., which issued on December 6, 1994;

(31) U.S. Patent No. 5,144,651 to COOPER, which issued on September 1, 1992;

(32) U.S. Patent No. 4,953,210 to MCGLYNN et al., which issued on August 28, 1990;

(33) U.S. Patent No. 5,826,198 to BERGINS et al., which issued on October 20, 1998; and

(34) U.S. Patent No. 6,044,107 to GATHERER et al., which issued on May 28, 2000.

(35) An article published in the periodical, "Nikkei Communications," vol. 252, August 18, 1997, pages 80-89.

(36) ITU-T recommendation G.994.1 ("Handshake Procedures For Digital Subscriber Line (DSL) Transceivers"), published by the International Telecommunication Union in February, 2001;

(37) U.S. Patent 5,400,322 to HUNT et al., which issued on March 21, 1995;

(38) U.S. Patent 5,479,447 to CHOW et al., which issued on December 26, 1995;

(39) U.S. Patent 5,805,669 to BINGEL et al., which issued on September 8, 1998;

(40) U.S. Patent 5,903,608 to CHUN, which issued on May 11, 1999; and

(41) U.S. Patent 5,910,970 to LU, which issued on June 8, 1999.

An International Search Report mailed on April 20, 1999 in PCT Application PCT/US99/00519, was called to the Examiner's attention that cited the following:

(42) U.S. Patent No. 5,668,857 to McHALE, which issued on September 16, 1997;

(43) U.S. Patent No. 5,781,617 to McHALE et al., which issued on July 14, 1998;

(44) U.S. Patent No. 5,852,655 to McHALE et al., which issued on December 22, 1998;

(45) U.S. Patent No. 5,410,343 to CODDINGTON et al., which issued on April 25, 1995; and

(46) U.S. Patent No. 5,757,803 to RUSSELL et al., which issued on May 26, 1998.

An international Search Report mailed on September 10, 1999 in PCT Application PCT/US99/06986, was called to the Examiner's attention that cited the following:

(47) U.S. Patent No. 5,796,808 to SCOTT et al., which issued on August 18, 1998;

(48) U.S. Patent No. 5,751,914 to COLEY et al., which issued on May 12, 1998;

(49) U.S. Patent No. 5,448,566 to RICHTER et al., which issued on September 5, 1995;

(50) U.S. Patent No. 5,163,131 to ROW et al., which issued on November 10, 1992;

(51) U.S. Patent No. 5,311,578 to BREMER et al., which issued on May 10, 1994;

(52) U.S. Patent No. 4,680,773 to AMUNDSON, which issued on July 14, 1987;

(53) U.S. Patent No. 5,463,661 to MORAN III et al., which issued on October 31, 1995;

(54) U.S. Patent No. 5,715,277 to, GOODSON et al., which issued on February 3 1998;

(55) U.S. Patent No. 5,644,573 to BINGHAM et al., which issued on July 1, 1997; and

(56) U.S. Patent No. 5,608,764 to SUGITA et al., which issued on March 4, 1997.

An Australian Patent Office Written Opinion mailed on February 2, 2000 with respect to related Singapore Application No. SG 9904001-6 was called to the Examiner's attention, in which the following documents were cited:

(57) PCT Application WO 97/49229, along with English language family member U.S. Patent 5,796,808 (mentioned above);

(58) U.S. Patent 5,751,914 (mentioned above);

(59) U.S. Patent 5,163,131 (mentioned above);

(60) U.S. Patent 5,448,566 (mentioned above);

(61) U.S. Patent 5,311,578 (mentioned above);

(62) U.S. Patent 4,680,773 (mentioned above);

(63) U.S. Patent 5,463,661 (mentioned above);

(64) U.S. Patent 5,644,573 (mentioned above); and

(65) U.S. Patent 5,715,277 (mentioned above).

An international Search Report mailed on April 27, 2000 with respect to PCT Application No. PCT/US99/30006 was called to the Examiner's attention, in which the following documents were cited:

(66) U.S. Patent No. 5,682,419 to GRUBE et al., which issued on October 28, 1997;

(67) U.S. Patent No. 5,349,635 to SCOTT, which issued on September 20, 1994;
and

(68) U.S. Patent No. 4,897,831 to NEGI et al., which issued on January 30, 1990.

An international Search Report mailed on August 2, 2000 with respect to PCT Application No. PCT US00/08227 was called to the Examiner's attention, in which the following documents were cited: (69) U.S. Patent No. 5,463,382 to NIKAS et al., which issued on October 31, 1995; and

(70) U.S. Patent No. 5,377,188 to SEKI, which issued on December 27, 1994.

An International Search Report mailed on August 28, 2000 with respect to PCT Application No. PCT US00/40019 was called to the Examiner's attention, in which the following documents are cited:

(71) U.S. Patent No. 5,321,722 to OGAWA, which issued on June 14, 1994;

(72) U.S. Patent No. 5,912,921 to WARREN et al., which issued on June 15, 1999; and

(73) U.S. Patent No. 6,064,693 to OLIVER et al., which issued on May 16, 2000.

The following documents, which were cited in an Australian Written Opinion mailed on July 17, 2001 with respect to Singapore Application No. SG 0003733-3, were called to the Examiner's attention:

(74) U.S. Patent No. 4,897,831 (mentioned above);

(75) U.S. Patent No. 5,349,635 (mentioned above); and

(76) U.S. Patent No. 5,682,419 (mentioned above).

The following documents, which were cited in an Australian Written Opinion mailed on October 25, 2001 with respect to Singapore Application No. SG 200006529-2, were called to the Examiner's attention:

(77) U.S. Patent No. 5,463,382 (mentioned above); and

(78) U.S. Patent No. 5,377,188 (mentioned above).

The following document, which was cited in an Australian Written Opinion mailed on November 15, 2001 with respect to Singapore Application No. SG 200006532-6, was called to the Examiner's attention:

(79) U.S. Patent No. 5,321,722 (mentioned above).

The following documents, which were cited in a Supplementary European Search Report dated March 4, 2002 with respect to related EP 99 96 7373, was called to the Examiner's attention:

(80) U.S. Patent No. 4,897,831 (mentioned above);

(81) U.S. Patent No. 5,349,635 (mentioned above); and

(82) U.S. Patent No. 5,682,419 (mentioned above).

The following documents, which were cited in a Japanese Notice of the Reason for the Rejection (together with an English language translation of the same) dated November 20, 2001 with respect to Japanese Application No. HEI 11-349362, were called to the Examiner's attention:

(83) Japanese Laid Open Patent Publication No. HEI 6-97980, which was published on April 8, 1994, together with an English language Abstract of the same;

(84) Japanese Laid Open Patent Publication No. HEI 10-75279, which was published on March 17, 1998; and

(85) U.S. Patent No. 6,055,268 to TIMM et al., which issued on April 25, 2000. Applicant notes that this document is not cited in the Japanese Notice of the Reason for the Rejection, however, it is an English language family member of the above-noted Japanese Laid Open Patent Publication No. HEI 10-75279, which was cited therein.

A Canadian Office Action mailed on June 18, 2003 with respect to related Application No. 2,417,991 was cited to the Examiner, in which the following document was cited:

(86) U.S. Patent No. 5,280,586 to KUNTZ et al., which issued on January 18, 1994.

A copy of an English language translation of an Office Action mailed on July 10, 2003 with respect to related PRC Patent Application No. 00800784.5, was cited to the Examiner, in which the following document was cited:

(87) U.S. Patent No. 5,321,722 to OGAWA, which issued on June 14, 1994.

A copy of a Korean Notice of Final Rejection mailed on September 16, 2003 with respect to related Korean Patent Application No. 10-1999-7010630, together with an English language translation of the same was cited to the Examiner, in which the following documents were cited:

(88) U.S. Patent No. 5,311,578 to BREMER et al., which issued on May 10, 1994; and

(89) U.S. Patent No. 5,463,661 to MORAN et al., which issued on October 31, 1995.

In accordance with 37 C.F.R. §1.98(d), copies of the documents submitted to the Examiner in the parent application are not submitted herewith.

Applicants also bring the following documents to the Examiner's attention:

A Japanese Notice of the Reason for the Rejection (together with an English language translation of the same) dated November 20, 2001 with respect to Japanese

Application No. HEI 11-349364 is enclosed herewith, in which the following document is cited therein:

(90) Japanese Laid Open Patent Publication No. HEI 10-75279 (mentioned above).

Copies of two Canadian Office Actions dated November 25, 2002 with respect to related Canadian Application Nos. 2,396,963 and 2,398,865 are enclosed herewith, in which the following documents are cited therein:

(91) U.S. Patent No. 5,668,857 (mentioned above); and

(92) U.S. Patent No. 5,796,808 (mentioned above).

A copy of a Korean Notice of Preliminary Rejection (together with an English language translation of the same) dated November 28, 2002 with respect to Korean Application No. 10-1999-7008157 is enclosed herewith, in which the following document is cited therein:

(93) U.S. Patent No. 5,668,857 to McHALE (mentioned above).

A copy of a Korean Notice of Preliminary Rejection (together with an English language translation of the same) dated December 17, 2002 with respect to Korean Application No. 10-1999-7010630 is enclosed herewith, in which the following documents are cited therein:

(94) U.S. Patent No. 5,311,578 (mentioned above); and

(95) U.S. Patent No. 5,463,661 (mentioned above).

A copy of an Australian Examination Report mailed on January 29, 2003 with respect to Singapore Application No. SG 200006529-2 is enclosed herewith, in which the following documents are cited therein:

(96) U.S. Patent No. 5,463,382 (mentioned above); and

(97) U.S. Patent No. 5,377,188 (mentioned above).

A copy of a Canadian Office Action dated February 11, 2003 with respect to Canadian Application No. 2,322,581 is enclosed herewith, in which the following documents are cited therein:

(98) Canadian Patent No. 2,027,230 to YANG et al., which was published on April 18, 1995;

(99) Canadian Patent Application No. 2,111,543 to SCOTT, which was published on June 18, 1994; and

(100) U.S. Patent No. 5,349,635 (mentioned above).

A copy of a Canadian Office Action dated January 6, 2003 with respect to Canadian Application No. 2,288,283 is enclosed herewith, in which the following documents are cited therein:

(101) U.S. Patent No. 5,463,661 (mentioned above); and

(102) U.S. Patent No. 5,715,277 (mentioned above).

A copy of a Canadian Office Action mailed on April 16, 2003 with respect to related Application No. 2,283,337 is enclosed herewith, in which U.S. Patent No. 5,668,857 to McHALE (mentioned above), which issued on September 16, 1997 is cited.

(103) A copy of a Chinese Office Action mailed on March 28, 2003 with respect to related Application No. 99800028.0 is enclosed herewith, in which U.S. Patent No. 5,668,857 (mentioned above) is cited.

(104) A copy of a Korean Notice of Final Rejection mailed on April 20, 2004 with respect to related Korean Patent Application No. 10-2001-7000106, together with an

English language translation of the same is enclosed herewith, in which the following document is cited:

(105) U.S. Patent No. 5,321,722 to OGAWA, which issued on June 14, 1994 (mentioned above).

A copy of a Canadian Office Action mailed in related Canadian Patent Application No. 2,417,991 on April 1, 2004 is enclosed herewith, in which the following document is cited:

(106) European Patent Application Publication No. EP 0 820 168, which was published on January 21, 1998 (mentioned above).

A copy of a Canadian Office Action mailed in related Canadian Patent Application No. 2,398,865 on March 22, 2004 is enclosed herewith, in which the following documents are cited:

(107) ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union in August, 1996 (mentioned above);

(108) European Patent Application Publication No. EP 0 831 624, which was published on March 25, 1998; and

(109) European Patent Application Publication No. EP 0 513 527, which was published on November 19, 1992.

A copy of a Canadian Office Action mailed in related Canadian Patent Application No. 2,396,963 on March 12, 2004 is enclosed herewith, in which the following documents are cited:

(110) European Patent Application Publication No. EP 0 831 624, which was published on March 25, 1998 (mentioned above); and

(111) European Patent Application Publication No. EP 0 513 527, which was published on November 19, 1992 (mentioned above).

A copy of a European Search Report mailed in related European Patent Application No. EP 03 02 8106 on March 23, 2004 is enclosed herewith, in which the following documents are cited:

(112) ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union in August, 1996 (mentioned above);

(113) U.S. Patent 5,493,609 to DAVIS et al., which issued on February 20, 1996 (mentioned above); and

(114) An article by K. KRECHMER at pages 63,64 and 66 of Data Communications, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994), entitled "V.34 Modems: Off to a Fast Start?". (mentioned above)

A copy of a Canadian Office Action mailed in related Canadian Patent Application No. 2,288,283 on February 18, 2004 is enclosed herewith, in which the following documents are cited:

(115) European Patent Application Publication No. EP 0 820 168, which was published on January 21, 1998 (mentioned above); and

(116) U.S. Patent No. 5,715,277 to GOODSON et al., which issued on February 3, 1998 (mentioned above).

A copy of a European Search Report mailed in related European Patent Application No. 03028105.9-2415 on February 3, 2004 is enclosed, in which the following documents are cited:

(117) ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union in August, 1996 (mentioned above);

(118) U.S. Patent 5,493,609 to DAVIS et al., which issued on February 20, 1996 (mentioned above); and

(119) An article by K. KRECHMER at pages 63,64 and 66 of Data Communications, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994), entitled "V.34 Modems: Off to a Fast Start?". (mentioned above)

Copies of documents (98), (99), (108), and (109) are enclosed herewith as they were not cited during the prosecution of the parent application and they are foreign publications.

The following commonly assigned co-pending published and non-published U.S. applications are brought to the Examiner's attention:

(120) U.S. Patent Application Publication No. 2003/193929 to PALM, which was published on October 16, 2003;

(121) U.S. Patent Application Publication No. 2003/103559 to PALM, which was published on June 5, 2003;

(122) U.S. Patent Application Publication No. 2003/165188 to PALM, which was published on September 4, 2003;

(123) U.S. Patent Application Publication No. 2003/206580 to PALM, which was published on November 6, 2003;

(124) U.S. Patent Application Publication No. 2004/27998 to PALM, which was published on February 12, 2004;

(125) U.S. Patent Application Publication No. 2004/57510 to PALM, which was published on March 25, 2004;

(126) U.S. Patent Application Publication No. 2004/52308 to PALM, which was published on March 18, 2004;

(127) U.S. Patent Application Publication No. 2004/68686 to PALM, which was published on April 8, 2004;

(128) U.S. Patent Application No. 10/813,051 to PALM, which was filed on March 31, 2004;

(129) U.S. Patent No. 6,735,245 to PALM, which issued on May 11, 2004;

(130) U.S. Patent Application No. 09/281,813 to PALM, which was filed on November 13, 1998;

(131) U.S. Patent Application No. 09/473,683 to PALM, which was filed on December 29, 1999;

(132) U.S. Patent No. 6,751,254 to PALM, which issued on June 15, 2004;

(133) U.S. Patent No. 6,694,470 to PALM, which issued on February 17, 2004;

and

(134) U.S. Patent Application No. 10/740,767 to PALM, which was filed on December 22, 2003.

Applicant notes that the specification of documents (128) and (130) are substantially the same as the specification of document (120); and the specification of documents (131) and (134) are substantially the same as the specification of document (124). Accordingly, only the claims of documents (128), (130), (131), and (134) are attached hereto.

Applicant also brings the following documents which were cited in an Office Action mailed in related U.S. Patent Application No. 10/331,665, which is listed above as document (123):

(135) U.S. Patent No. 6,466,586 to DARVEAU et al., which issued on October 15, 2002;

(136) U.S. Patent No. 6,438,226 to GUENTHER et al., which issued on August 20, 2002;

(137) U.S. Patent No. 5,970,088 to CHEN, which issued on October 19, 1999;

(138) U.S. Patent No. 6,307,836 to JONES et al., which issued on October 23, 2001;

(139) U.S. Patent No. 6,298,065 to DOMBKOWSKI et al., which issued on October 2, 2001;

(140) U.S. Patent No. 6,263,016 to BELLENGER et al. which issued on July 17, 2001; and

(141) U.S. Patent No. 6,081,517 to LIU et al., which issued on June 27, 2000.

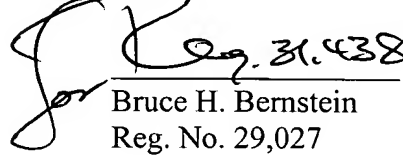
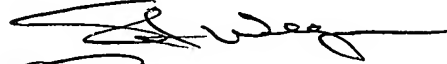
Further to the U.S. Patent and Trademark Office's decision to waive the requirement under 37 C.F.R. §1.98 (a)(i), copies of documents (135)-(141) are not attached hereto, as they are U.S. issued patents. However, if any copies are needed, the Examiner is requested to contact the undersigned.

Applicant respectfully requests that the Examiner consider the above material and cite the same. Copies of documents (98), (99), (108), and (109) and the claims of documents (128), (130), (131), and (134) are attached hereto and all of the documents are listed on the attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to Applicant with the next official communication in the present application.

Applicant notes that an Office Action on the merits has not issued in the present application, and thus no fee is believed necessary to ensure consideration of the submitted material.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,
Stephen PALM


Reg. No. 29,027

June 28, 2004
GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clarke Place
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(703) 716-1191

FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P25074Application No.
10/809, 865INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)Applicant
Stephen PALMFiling Date
March 26, 2004Group
2631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 9 3 3 4 5 4	08/03/99	CIOFFI			
	5 6 3 3 8 9 0	05/27/97	AHMED			
	5 4 9 1 7 2 0	02/13/96	DAVIS et al			
	5 3 7 1 5 3 4	12/06/94	DAGDEVIREN et al			
	5 1 4 4 6 5 1	09/01/92	COOPER			
	4 9 5 3 2 1 0	08/28/90	MCGLYNN et al			
	5 8 2 6 1 9 8	10/20/98	BERGINS et al			
	6 0 4 4 1 0 7	05/28/00	GATHERER et al			
	5 4 0 0 3 2 2	03/21/95	HUNR et al			
	5 4 7 9 4 4 7	12/26/95	CHOW et al			
	5 8 0 5 6 6 9	09/08/98	BINGEL et al			
	5 9 0 3 6 0 8	05/11/99	CHUN			
	5 9 1 0 9 7 0	06/08/99	LU			
	5 6 6 8 8 5 7	09/16/97	MCCHALE			
	5 7 8 1 6 1 7	07/14/98	MCCHALE			
	5 8 5 2 6 5 5	12/22/98	MCCHALE			
	5 4 1 0 3 4 3	04/25/95	CODDINGTON et al			
	5 7 5 7 8 0 3	05/26/98	RUSSELL et al			
	5 7 9 6 8 0 8	08/18/98	SCOTT et al			
	5 7 5 1 9 1 4	05/12/98	COLEY et al			
	5 4 4 8 5 6 6	09/05/95	RICHTER et al			
	5 1 6 3 1 3 1	11/10/92	ROW et al			
	4 6 8 0 7 7 3	07/14/87	AMUNDSON			
	5 4 6 3 6 6 1	10/31/95	MORAN III et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
0 8 2 0 1 6 8	01/21/98	E.P.O			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

5	An article published in the periodical, "Nikkei Communications," vol. 252, August 18, 1997, pages 80-89.
6	ITU-T recommendation G.994.1 ("Handshake Procedures For Digital Subscriber Line (DSL) Transceivers"), published by the International Telecommunication Union in February, 2001;

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Patent and Trademark OfficeAtty. Docket No.
P25074Application No.
10/809, 865INFORMATION DISCLOSURE STATEMENT
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(Use several sheets if necessary)Applicant
Stephen PALMFiling Date
March 26, 2004Group
2631

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5	7	1	5	2	7	7	02/03/98	GOODSON et al			
		5	6	4	4	5	7	3	07/01/97	BINGHAM et al			
		5	6	0	8	7	6	4	03/04/97	SUGITA et al			
		5	6	8	2	4	1	9	10/28/97	GRUBE et al			
		5	3	4	9	6	3	5	09/20/94	SCOTT			
		4	8	9	7	8	3	1	01/30/90	NEGI et al			
		5	3	7	7	1	8	8	12/27/94	SEKI			
		5	3	2	1	7	2	2	06/14/94	OGAWA			
		5	9	1	2	9	2	1	06/15/99	WARREN et al			
		6	0	6	4	6	9	3	05/16/00	OLIVER et al			
		6	0	5	5	2	6	8	04/25/00	TIMM et al			
		5	2	8	0	5	8	6	01/18/94	KUNTZ et al			
		5	4	6	3	6	6	1	10/31/95	MORAN et al			
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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	9	7	/	4	9	2	2	9	12/24/97	W.I.P.O				
		6	-	9	7	9	8	0	04/08/94	JAPAN				
	1	0	-	7	5	2	7	9	03/17/98	JAPAN				
		0	8	3	1	6	2	4	03/25/98	E.P.O				
		0	5	1	3	5	2	7	11/19/92	E.P.O				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

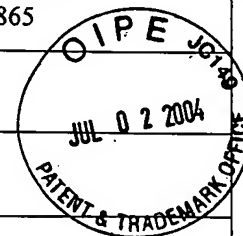
	7	English Language Abstract of JP 6-97980.
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	5 4 9 3 6 0 9	02/20/96	DAVIS et al			
	6 0 0 2 7 2 2	12/14/99	CHOW et al			
	5 4 7 9 4 4 7	12/26/95	CHOW et al			
	4 6 7 9 2 2 7	07/07/87	HUGHES-HARTOGS			
	5 4 9 3 6 0 9	02/20/96	DAVIS et al			
	5 6 4 4 5 7 3	07/01/97	JACOBSEN et al			
	5 4 6 3 3 8 2	10/31/95	NIKAS et al			
	5 3 4 9 6 3 5	09/20/94	SCOTT			
	4 8 9 7 8 3 1	01/30/90	NEGI et al			
	5 3 1 1 5 7 8	05/10/94	BREMER et al			
	6 2 0 5 2 0 8	03/20/01	DETLEFSEN et al			
	6 1 4 1 3 5 4	10/31/00	NAKATSUGAWA			

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0 9 7 4 2 0 2	07/15/99	E.P.O			
9 8 / 1 0 5 4 5	03/12/98	W.I.P.O			
9 9 / 3 5 7 5 6	07/15/99	W.I.P.O			
2 0 2 7 2 3 0	04/12/91	CANADIAN			
2 1 1 1 5 4 3	06/18/94	CANADIAN			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union in August, 1996.
2	An article by F. MESCAM, entitled "Introduction A La Procedure De Transmission HDLC", published at pages 69-73 of L'Onde Electrique, vol. 53, no. 2 (February, 1973).
3	An article by H. OHBA et al., entitled "End-to-End Protocol Based On CCITT X.25 and Its 26-29, Implementation", published at pages 281-287 of Evolutions In Computer Communications, Kyoto September 1978, International Conference On Computer Communication, Tokyo, Japan, vol. CONF. 4, September 1978.
4	An article by K. KRECHMER at pages 63, 64 and 66 of Data Communications, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994), entitled "V.34 Modems: Off to a Fast Start?".

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		6	6	9	4	4	7	0	02/17/04	PLAM			
		6	4	6	6	5	8	6	10/15/02	DARVEAU et al			
		6	4	3	8	2	2	6	08/20/02	GUENTHER et al			
		5	9	7	0	0	8	8	10/19/99	CHEN			
		6	3	0	7	8	3	6	10/23/01	JONES et al			
		6	2	9	8	0	6	5	10/02/01	DOMBKOWSKI et al			
		6	2	6	3	0	1	6	07/17/01	BELLENGER et al			
		6	0	8	1	5	1	7	06/27/00	LIU et al			

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